

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO LIMPUS QUARRIES, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements
In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

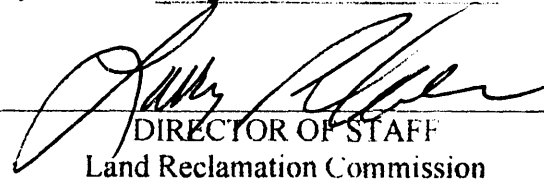
Proposed mining operation(s) will be on 453 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal & Amendment

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Lafayette	25, 36	48N	29W	51	0	51	Bates City	0049
Cass	17, 20	44N	29W	46	0	46	Garden City	0047
Cass	17, 18, 20	45N	31W	233	0	233	Harrisonville	0050
Jackson	13, 24, 18, 19	50N	31W, 32W	60	63	123	D & R Crushing	0048

This permit may be suspended or revoked upon violation of any or all of the conditions set
forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations
as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 30th day of August 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0040
Effective Date 08/30/2004
Expiration Date 08/20/2005

RECEIVED

JUN 14 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

P.O. BOX 176

JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Limpus Quarries, Inc.		RECLAMATION COMMISSION		DATE 6/7/04	
ADDRESS P.O. Box 40		CITY Harrisonville	STATE MO	ZIP CODE 64701	
CONTACT PERSON Paul Campbell				TELEPHONE NUMBER 816-380-5170	
CHECK ANY THAT APPLY: <input type="checkbox"/> New Permit <input checked="" type="checkbox"/> Permit Amendment <input type="checkbox"/> Permit Revision <input type="checkbox"/> Permit Expansion					
SITE NAME OR NUMBER		ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (EAST OR WEST)		
1. D&R Crushing #0048		63 (New)	Jackson; 13, 24, 18, 19; 50N; 31W, 32W		
2.					
3.					
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17.					
18.					
19.					
20.					
ATTACH ADDITIONAL SHEETS IF NECESSARY					
SIGNATURE OF APPLICANT <i>Paul Campbell</i>		TITLE Environmental Director		DATE 6/7/04	
Appeared before me this <u>11</u> day of <u>June</u> , 2004, to me personally known, who executed the above as their free acts and deeds.					
NOTARY PUBLIC EMBOSSE		STATE Kansas		COUNTY (OR CITY OF ST. LOUIS) Johnson	
NOTARY PUBLIC - State of Kansas JULIE L. MCKINLEY My Appt. Exp. <u>7-9-05</u>		SUBSCRIBED AND SWORN BEFORE ME, THIS <u>11</u> DAY OF <u>June</u> YEAR <u>2004</u>		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE <i>Julie L. McKinley</i>		MY COMMISSION EXPIRES 7-9-2005			
NOTARY PUBLIC NAME (TYPED OR PRINTED) Julie L. McKinley					
FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>		DATE APPROVED 8/24/04	PERMIT NUMBER 0040	EXPIRATION DATE 8/20/2005	



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

RECEIVED

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES
FEES AND BONDING WORKSHEET

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL

Limpus Quarries, Inc.

MISSOURI LAND RECLAMATION COMMISSION

6/7/04

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. FEES: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six months per permit year pay \$150
		For sites operated six months or more per permit year pay \$300
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	TOTAL SITE FEE ►	\$

2. Acreage fee \$5 X 63 Number of acres bonded \$ 315

3. Annual permit fee \$ 500 X

4. Total Fee (Add Totals from 1, 2 and 3) \$ 315.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual permit fee \$ 300

III. BONDING - for all except in-stream mine sites:

A. For sand and gravel operators mining less than 5,000 tons/year:

Number of new acres _____ X \$500 per acre \$ _____

B. For ALL other open pit operations:

Minimum per permit \$ 8,000

Acreage over eight acres 63 X \$500 per acre \$ 31,500

TOTAL BONDING REQUIRED Increase rider \$ 31,500

☐ Check here if adequate bonding is already posted.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

RECEIVED

AUG 13 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Limpus Quarries, Inc.		MISSOURI LAND RECLAMATION COMMISSION DATE 8/2/04	
ADDRESS P.O. BOX 40	CITY Harrisonville	STATE MO	ZIP CODE 64701
CONTACT PERSON Paul Campbell		TELEPHONE NUMBER (816) 380-5170	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Garden City #0047	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
2. D&r Crushing #0048	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
3. Bates City #0049	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
4. Harrisonville #0050	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
5. KC Metro #0565	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 150.00
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE \longrightarrow \$ 1350.00

2. Acreage Fee \$5 X 492 number of acres bonded \$ 2460.00

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 4310.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT <i>Paul Campbell</i>	TITLE <i>General Mgr.</i>	DATE <i>8/2/04</i>
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Appeared before me this 4th day of August, 2004,
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF <u>Kansas</u>	COUNTY (OR CITY OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>4th</u> DAY OF <u>Aug.</u> YEAR <u>2004</u>	
	NOTARY PUBLIC SIGNATURE <i>Julie L. McKinley</i>	MY COMMISSION EXPIRES <u>7-9-05</u>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <u>Julie L. McKinley</u>	

USE RUBBER STAMP IN CLEAR AREA BELOW.

NOTARY PUBLIC - State of Kansas
JULIE L. MCKINLEY
My Appl. Exp. 7-9-05

FOR DEPARTMENT USE ONLY, APPROVED BY <i>[Signature]</i>	DATE APPROVED <u>8/25/04</u>	PERMIT NUMBER <u>0040</u>	EXPIRATION DATE <u>8/20/2005</u>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

RECEIVED
OCT 01 1998

To be completed for each separate area of disturbance associated with mining operations. MISSOURI LAND RECLAMATION COMMISSION		
SITE NAME OR NUMBER Bates City Quarry		PERMIT NUMBER 0040
COMPANY NAME Limpus Quarries, Inc.		
COUNTY Lafayette	1/4 SECTION S 1/2	SECTION 25 & 36
TOWNSHIP 48N	RANGE 29W	ACRES 140 a long term
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Les Mitchell Quarries, Inc.		
ADDRESS RR 2		
CITY Odessa	STATE MO	ZIP CODE 64076
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT Jan. 9, 1996
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Les Mitchell Quarries, Inc.		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF CONSERVATION
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
FEB 23 1990

MISSOURI LAND

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE:

2010 (P.W.)

Bates City

RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers 140 Acres

Very poor soil, scrubby vegetation, exposed rock, thin top soil, steep hillside not suitable for farming.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

minimum 12" mostly cherty clay INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

strip "topsoil" with Dozer or scraper and place it in pile.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

After placement, will round off pile which will be placed in elevated location away from flowing water. Vegetated to protect from erosion

RECEIVED
FEB 23 1996
MISSOURI LAND
RECLAMATION COMMISSION

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Place spoil in old worked out area

Baton City

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NA

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Maps.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECEIVED
FEB 23 1996
RECLAMATION COMMISSION

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Feed Lot or Commercial

B. SEEDING OR PLANTING TIME

seasonal

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

seed will be hand broad cast at minimum
straw mulch

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Rye	100		
Fescue	30		
Clover (red)	7X		

REVEGETATION MIX #2

PURPOSE OR LAND USE

wildlife

B. SEEDING OR PLANTING TIME

8/15-10/1 or 3/15-5/15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

hand broad cast minimum
straw mulch

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard	8X		
Timothy	8X		
Smith grass	5X		
Birds foot trefoil	7		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

RECEIVED

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MAR 11 1996

M. E. C.

DM

Mine floor will be left flat and
 spoil will be placed against walls
 and leveled to 3:1 slopes.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

will be advancing as pit does which will be
 dictated by rock sales final grading to be done one
 year after permit expiration or renewal of permit
 under which surface mining disturbance occurred.

REPLACEMENT OF TOPSOIL

Replace topsoil as necessary on slopes within
 1 year of permit expiration or mining stoppage.
 sequential with grading

REVEGETATION

Revegetate within first planting season of replacement
 of topsoil. No later than one year following
 permit expiration or renewal of permit under
 which surface mining disturbance occurred

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

140

Water impoundments (for wildlife, agricultural, or development)

Bates City

RECEIVED
OCT 26 1998

By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Nancy Morelock</i>		TITLE President	DATE OCT. 20, 1998
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Cass	
SUBSCRIBED AND SWORN BEFORE ME, THIS 20TH DAY OF OCTOBER 19 98		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE <i>Ronda F. Miller</i>	MY COMMISSION EXPIRES 6/26/02	RONDA F. MILLER Notary Public - State of Missouri Commissioned in Cass County My Commission Expires June 26, 2002	
NOTARY PUBLIC NAME (TYPED OR PRINTED) Ronda F. Miller			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Brett Ger</i>		DATE APPROVED 11-23-98	PERMIT NUMBER 0040

RECEIVED

JAN 28 2003

MISSOURI LAND
RECLAMATION COMMISSION

Map Legend
Limpus Quarries, Inc.
Bates City Facility

Map #1 – U.S. Geological Survey Map 7.5 Quadrangle, Chapel Hill MO, #N3852.5-W9400/7.5

Locator map denoting the property boundaries of the site in relationship to the surrounding area. (Boundaries are highlighted in yellow). The Section numbers are highlighted in yellow as are the principal highways in the immediate area.

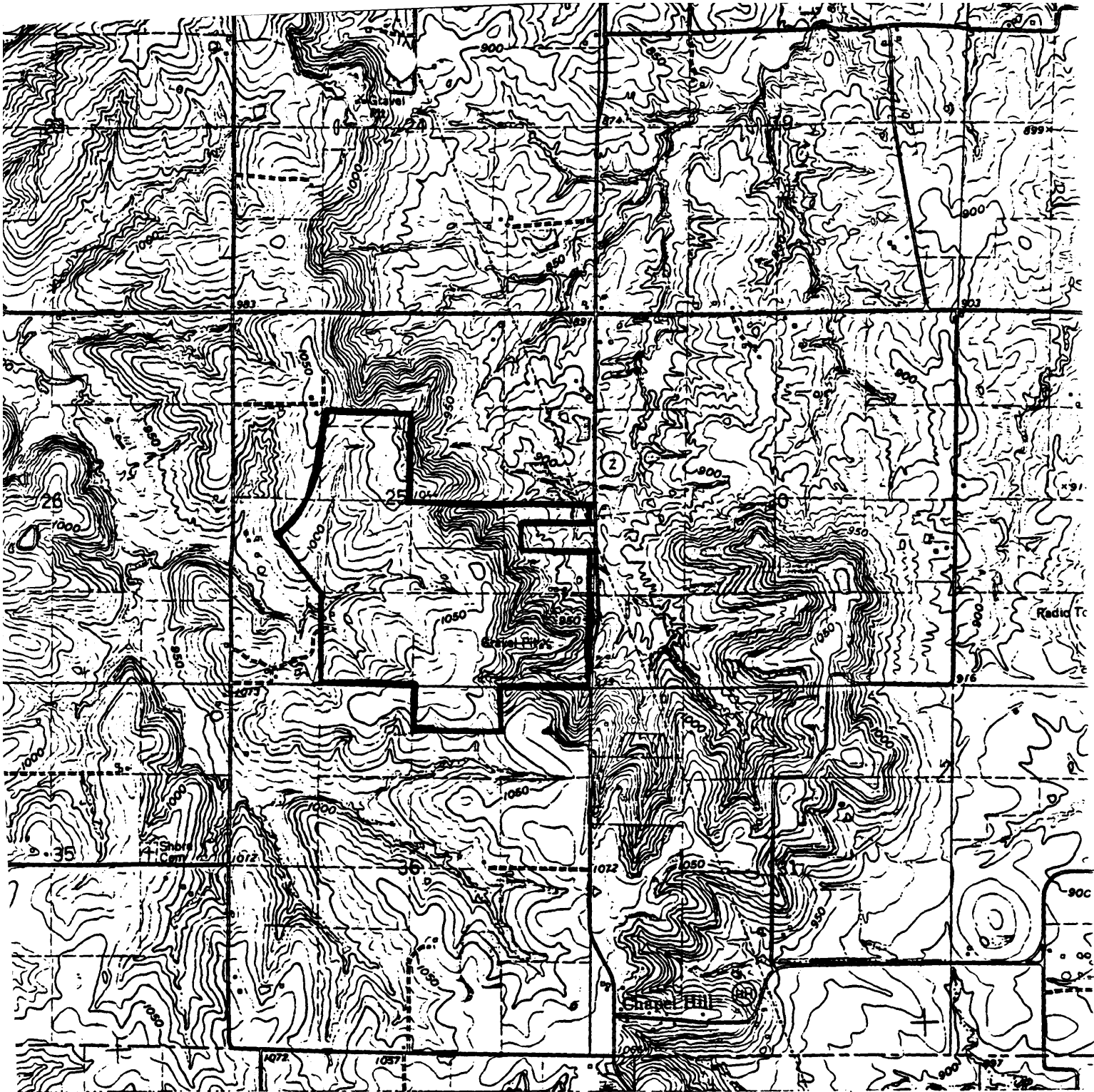
Map #2 – An enlargement of Map #1, illustrating the following;

Property boundary lines ---- highlighted in yellow.

Mine plan boundaries, approximately 140 acres ---- denoted in red.

Current permitted acreage, 41 acres ---- denoted in blue.

New acreage, 10 acres ---- denoted in green.



Limpus Quarries, Inc.
Bates City Facility

SE $\frac{1}{4}$ NW $\frac{1}{4}$ ----Sect 25
NE $\frac{1}{4}$ SW $\frac{1}{4}$ ----Sect 25
SE $\frac{1}{4}$ SW $\frac{1}{4}$ ----Sect 25
SE $\frac{1}{4}$ ----Sect 25
NW $\frac{1}{4}$ NE $\frac{1}{4}$ ----Sect 36

TWP---48N

RNG---29

U.S. Geological Survey
7.5Min Quadrangle
Chapel Hill, MO
#N3852.5 - W9400/7.5
1963 Edition

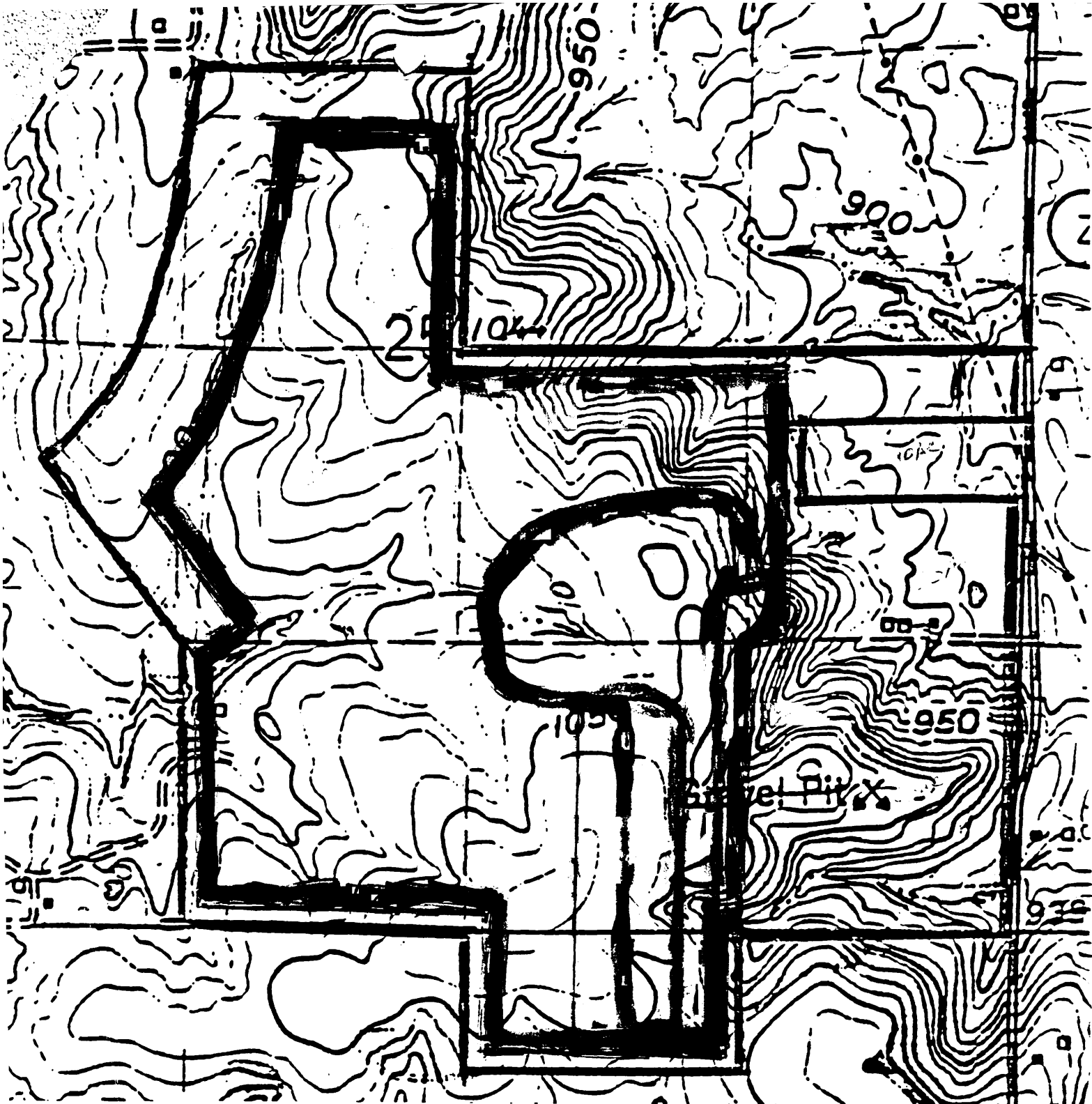
1" = 2000'

NOT TO SCALE

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JAN 28 2003

MISSOURI LAND
RECLAMATION COMMISSION



Limpus Quarries, Inc.
Bates City Facility

SE $\frac{1}{4}$ NW $\frac{1}{4}$ ----Sect 25
NE $\frac{1}{4}$ SW $\frac{1}{4}$ ----Sect 25
SE $\frac{1}{4}$ SW $\frac{1}{4}$ ----Sect 25
SE $\frac{1}{4}$ ----Sect 25
NW $\frac{1}{4}$ NE $\frac{1}{4}$ ----Sect 26

TWP---48N RNG---29W

U.S. Geological Survey
7.5 Min Quadrangle
Chapel Hill, MO
#N3852.5 - W9400/7.5

1963 Edition

1" = 614'

NOT TO SCALE

RECEIVED

JAN 28 2003

MISSOURI LAND
RECLAMATION COMMISSION



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED

SEP 10 2002

To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND
RECLAMATION COMMISSION

SITE NAME OR NUMBER Limpus Quarries, Inc #3(Garden City)		PERMIT NUMBER 0040	
COMPANY NAME Limpus Quarries, Inc.			
COUNTY Cass	1/4 SECTION NW $\frac{1}{4}$ NW $\frac{1}{4}$ of SE $\frac{1}{4}$ SW $\frac{1}{4}$ of	SECTION 20 17	
TOWNSHIP 44 N	RANGE 29W	ACRES 85	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Ashland, Inc		
ADDRESS 1000 Ashland Dr.		
CITY Russell	STATE KY	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT June 1996
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Ashland, Inc		
ADDRESS 1000 Ashland Dr		
CITY Russell	STATE KY	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT June 1996
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

RECEIVED

SEP 10 2002

MISSOURI LAND
RECLAMATION COMMISSION

Limpus Quarries, Inc #3(Garden City)

ADDITIONAL LAND OWNERS:

A & M Quarries
32706 S. Rainbow Rd
Creighton, MO 64739
Leased in June 1996.

A & M owns part of Section 20, Township 44, Range 29W



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME Limpus Quarries, Inc

☒ LONG TERM, FOR PERIOD THROUGH DATE: 8/21/2002 thru 8/20/2025

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Pasture land of mostly Fescue, with a slight slope to the east

See attached copies from County Soil Survey

RECEIVED

SEP 10 2002

MISSOURI LAND
RECLAMATION COMMISSION

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

8

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

The dozer is used to strip topsoil and stockpile it to the west of the mined out pit area

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil is stockpiled a substantial distance from the pit in order to control soil erosion and is seeded with the seed mix on page 3 of 5

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

The shale and overburden is removed and dozed into the bottom of the mined out pit.

RECEIVED

SEP 10 2002

MISSOURI LAND
RECLAMATION COMMISSION**C. ACID MATERIAL**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

N/A

D. PIT INFORMATION (GIVE A DIMENSION)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Mining is done directly to the west (shown on map). This mine will be mined over several years.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION (Attach additional sheets, if needed)**

REVEGETATION MIX #1

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Upon completion of ongoing pit. This area will be seeded and harrowed.
This pit will not be sloped over 40 degrees.

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RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	20 bls	None	None
Rye	15 lbs		

REVEGETATION MIX #2

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

This area will be re-seeded until acceptable

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue	20 lbs	None	None
Rye	15 lbs		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

The pit ledge is mined south to north progressing west. The shale & overburden is dozed into the bottom of pit. This land will not slope over 40 degrees upon completion of reclamation.

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RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will be done with no more than a 40 degree slope. Grading is done as an ongoing process. Grading will be completed within 20 months of the expiration of the permit year in which the area becomes inactive and is no longer needed as part of the active mining process.

REPLACEMENT OF TOPSOIL

The topsoil will be replaced upon completion of mining out the ongoing pit. Replacement of topsoil will be the same as grading.

REVEGETATION

The first spring after grading and replacement of topsoil is completed, the land will be seeded. Revegetation will be completed with 24 months of the expiration of the permit year in which the area becomes inactive and is no longer needed as part of the active mining process.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12 inches

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

85

Development (residential, industrial, and recreational)

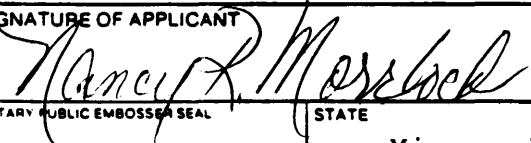
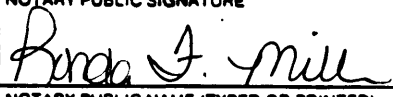

Water impoundments (for wildlife, agricultural, or development)

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By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE President		DATE 8/2/02	
NOTARY PUBLIC EMBOSSED SEAL		STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Cass	
SUBSCRIBED AND SWORN BEFORE ME, THIS 2nd DAY OF August 2002		USE RUBBER STAMP IN CLEAR AREA BELOW			
NOTARY PUBLIC SIGNATURE 		MY COMMISSION EXPIRES 6-26-06			
NOTARY PUBLIC NAME (TYPED OR PRINTED) RONDA F. MILLER					
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 11/09/02		PERMIT NUMBER 0040	

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Map Legend

Map #1 – USGS Aerial Photograph of facility

1. Limpus Quarries property bordered in Blue
2. A & M Quarries property bordered in Red

Map #2 - A locator map. Copied from a U.S. Geological Topographical Map, a 7.5 Min. map of the Garden Cityi Quadrangle.

Map #3 – An enlargement of Map #2 to a scale of 1"=500'. This map identifies the boundaries of the mine plan and the mining progress. It also denotes changes from the original Mine Plan. The color coding is as follows.

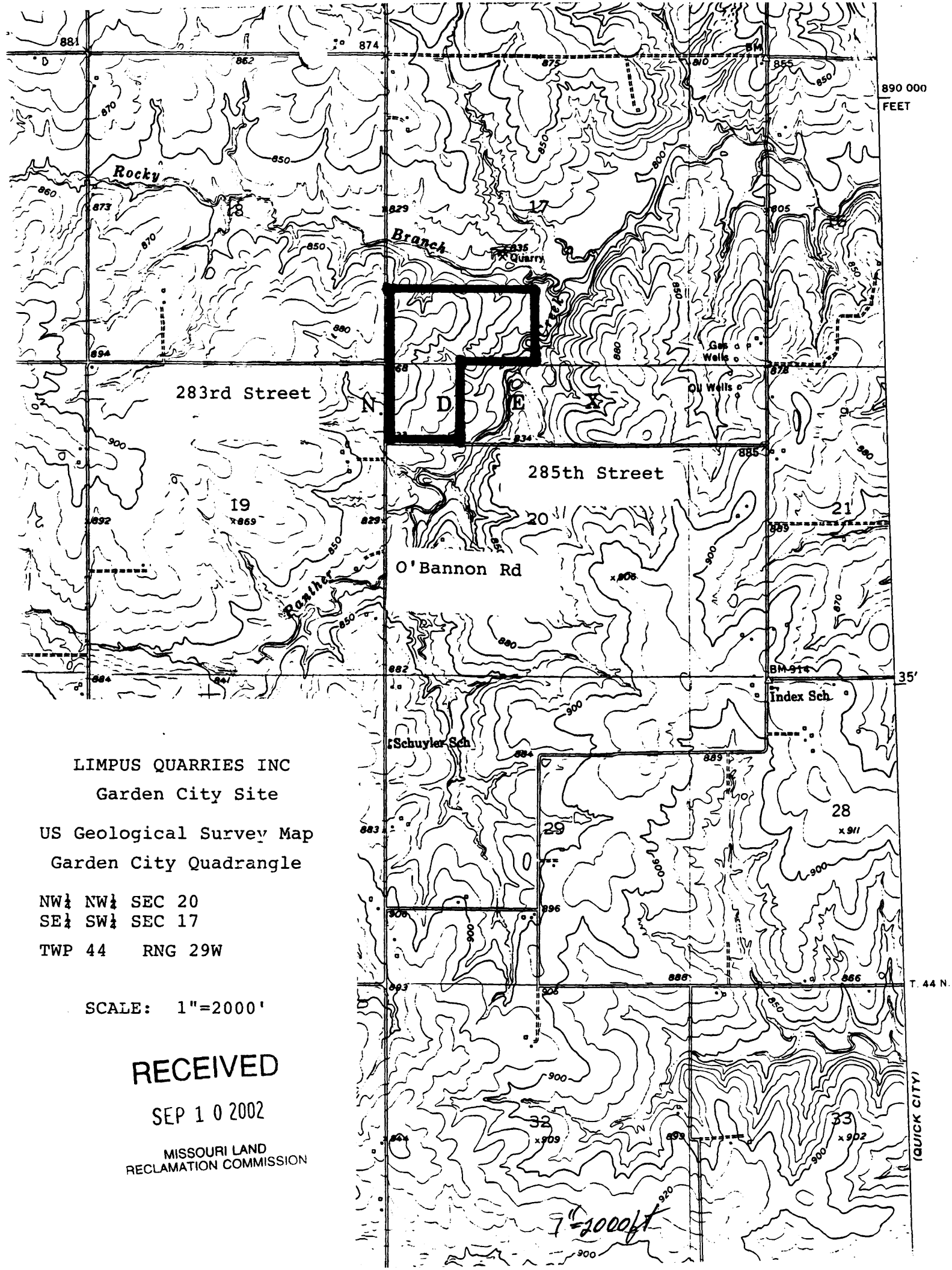
1. Blue border denotes the boundary of the current Mine Plan
2. Purple border denotes acreage that is not permitted – approx. 56 acres.
3. Red border denotes acreage that is currently permitted – approx. 46 acres.
4. Green border denotes acreage that has been released – approxi. 15 acres.
5. Yellow border denotes acreage that has been sold and is no longer a part of the Mine Plan – approx. 5 acres.
6. Orange border denotes property owned by A & M Quarries – entire acreage unknown and not shown.

These maps are a close representation but are **NOT TO SCALE**.

6 km NE of Garden City, Missouri, United States 28 Feb 1996



Image courtesy of the US Geological Survey.



890 000
FEET

283rd Street

285th Street

O'Bannon Rd

LIMPUS QUARRIES INC
Garden City Site

US Geological Survey Map
Garden City Quadrangle

NW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC 20
SE $\frac{1}{4}$ SW $\frac{1}{4}$ SEC 17
TWP 44 RNG 29W

SCALE: 1"=2000'

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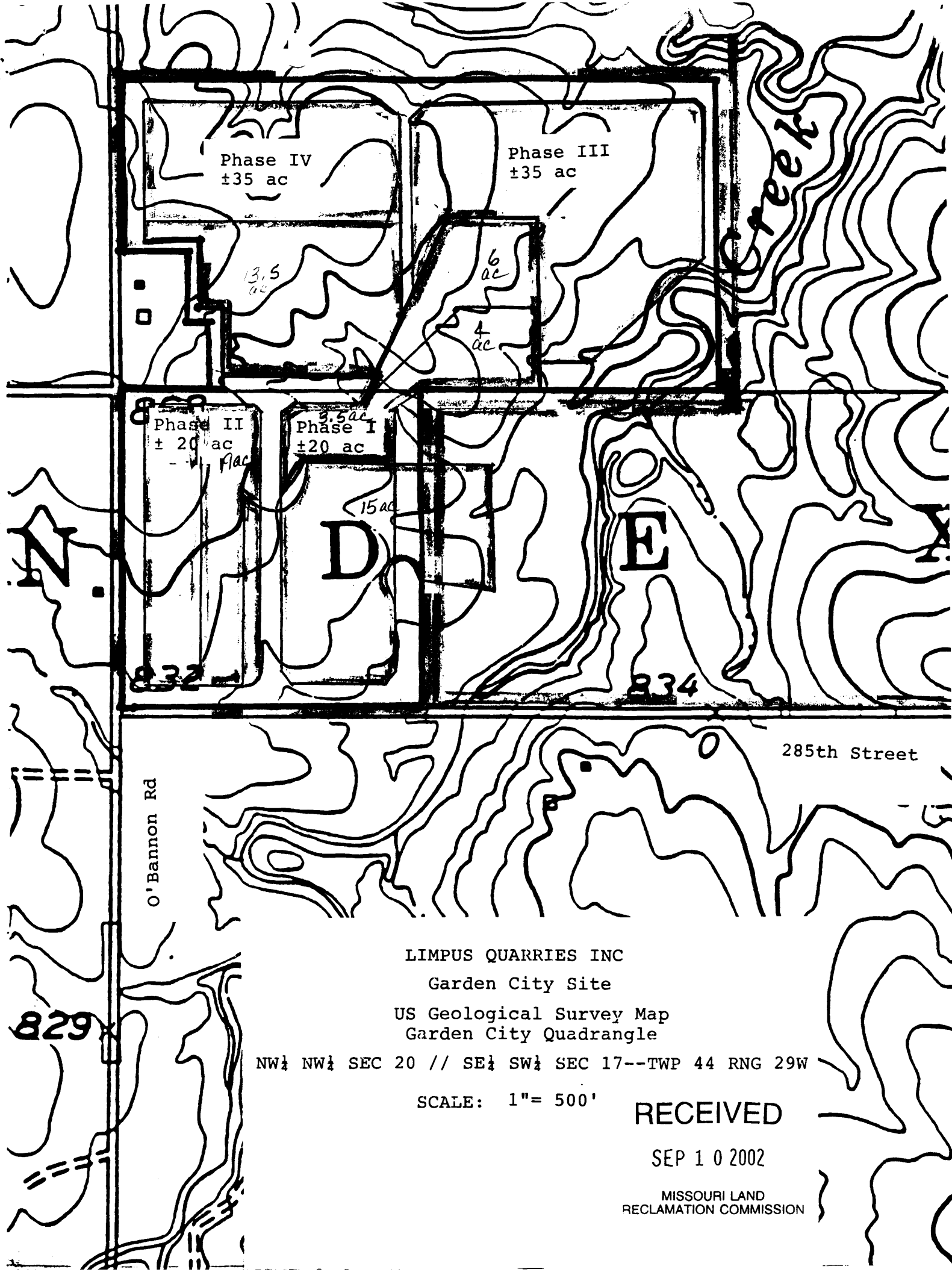
SEP 10 2002

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RECLAMATION COMMISSION

1"=2000'

T. 44 N.

(QUICK CITY)



LIMPUS QUARRIES INC

Garden City Site

US Geological Survey Map

Garden City Quadrangle

NW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC 20 // SE $\frac{1}{4}$ SW $\frac{1}{4}$ SEC 17--TWP 44 RNG 29W

SCALE: 1"= 500'

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Harrisonville		PERMIT NUMBER 0040	
COMPANY NAME Limpus Quarries, Inc.			
COUNTY Cass	1/4 SECTION	SECTION 17-18 & 20	
TOWNSHIP 45	RANGE 31W	ACRES 233	394 long term SF
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Ashland, Inc		
ADDRESS 1000 Ashland Drive		
CITY Russell	STATE KY	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Limpus Quarries, Inc.		
ADDRESS P.O. Box40		
CITY Harrisonville	STATE MO	ZIP CODE 64701
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME Limpus Quarries, Inc

☒ LONG TERM, FOR PERIOD THROUGH DATE: 7/01/06

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Pit #1 - Was pasture land of Fescue

Pit #2 - Was farm land-crops

Pit #3 - Was farm land-crops

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

8 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Pit #1 - Long term - we are in process of building lake in this pit.
The remaining area being used for stockpiles.

Pit #2 - Long term - Dozer used to remove the topsoil

Pit #3 - Long term - Topsoil moved by truck to adjacent cut. Dozer will
push shale into cut and the topsoil will be spread on top.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Pit #1- Long term - Process of reclamation

Pit #2- Long term - The topsoil stockpiled a substantial distance from the
pit in order to control erosion.

Pit #3- Long term - Topsoil removed by truck and used in reclamation in
an ongoing prpcess.

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B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

- Pit #1- Reclamation of lake
- Pit #2- All overburden from one area moved by dozer and trucks to adjacent mined out area.
- Pit #3- All overburden will be removed by dozer and utilized in the adjacent mined out area.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

N/A

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

- Pit #1- Reclamation of lake
- Pit #2- The 1st pit was in the northwest corner of the permitted area. From the pit advanced to the south and eventually to the east. The last pit will be sloped and graded to less than 40 degree angle.
- Pit #3- This Pit starts on the north edge of the property and will be mined to the south in approximately 30 acre cells. Reclamation will be a ongoing process. The next cell will be directly to the west and mined in the same manner.

YES NO

- | | | | |
|--------------------------|-------------------------------------|---|-------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) | |
| <input type="checkbox"/> | <input type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) | Pit #1&2--Yes
Pit #3----No |

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION (Attach additional sheets, if needed)**

REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
	Lake, Farm land, Development	Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Pit#1- Seed mix will be broadcast and harrowed on the shores of the lake.

Pit#2- Reclaimed pit will be returned to pasture land.

Pit#3- Reclaimed pit will be used for developement

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Pit #1 - Fescue	20	None	None
Pit #2 - Fescue and alfalfa	20 -40	None	None
Pit #3- Fescue	20	Maples, pines and Oaks will be planted around pit	None

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
	Lake, Farm land, Development	Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Pits will be re-seeded until acceptable.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Pit #1-Fescue	20	none	none
Pit #2-Fescue & alfalfa	20-40	none	none
Pit #3-Fescue	20	Maples, Pines and Oaks will be planted around pit.	none

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ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.MISSOURI LAND
RECLAMATION COMMISSION

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B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Pit #1-Lake

Pit #2-All spoil area will be leveled with a slope of approximately 40 degrees, returning this area to pasture land.

Pit #3-All spoil ares will be leveled with a slope of no more than 40 degrees, allowing this area to be utilized for wildlife and developement.

MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING****REPLACEMENT OF TOPSOIL**

On all pits, the replacement of topsoil will be the same as grading.

Pit #1-Topsoil will be replaced and seeded within 1 year.

Pit #2&3-Topsoil will be replaced upon completion of mining out of ongoing Pit.

REVEGETATION will be completed within 24 months of the expiration of the permit year in which the area becomes inactive and is no longer needed as part of the mining process.

Pit #1-Revegetation will occur within 1yr after seeding and grading completed

Pit #2-Revegetation will occur within 1yr after seeding and grading completed

Pit #3-Revegetation will be part of an ongoing process.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12 inches

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation:

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Pit #3- 178

Agricultural (pasture, cropland, and horticultural)

Pit #2- 36

Development (residential, industrial, and recreational)

Pit #3- 100

Water impoundments (for wildlife, agricultural, or development)

Pit #1- 80

394

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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RECLAMATION COMMISSION

SIGNATURE OF APPLICANT <i>Nancy R. Morelock</i>		TITLE President	DATE 6/13/01
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Cass	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 13th DAY OF July 2001		
	NOTARY PUBLIC SIGNATURE <i>Ronda F. Miller</i>	MY COMMISSION EXPIRES 6-26-02	USE RUBBER STAMP IN CLEAR AREA BELOW RONDA F. MILLER Notary Public - State of Missouri Commissioned in Cass County My Commission Expires June 26, 2002
	NOTARY PUBLIC NAME (TYPED OR PRINTED) RONDA F. MILLER		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Steve Turner</i>		DATE APPROVED 8-6-02	PERMIT NUMBER 0040

MAP LEGEND

MAPS 1 & 2

Pit #1 is denoted with a Blue colored boundary

Pit #2 is denoted with a Plum colored boundary

Pit #3 is denoted with a Red colored boundary.

MAP 3

Current Property Boundary denoted with Plum color

Prior Mine Plan Boundary denoted with Red color – 97 acres

Prior Permitted Area denoted with Blue color – 89 acres

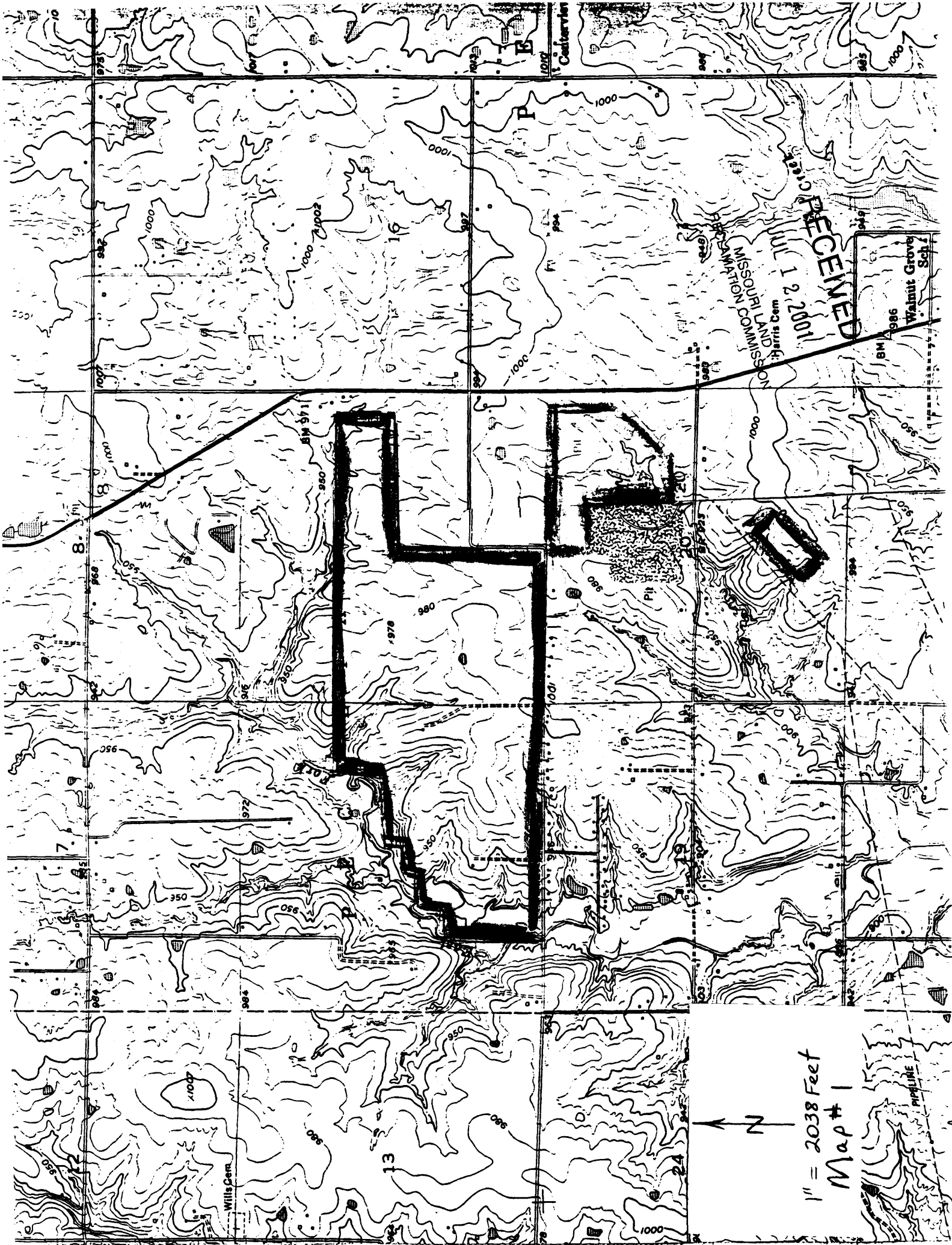
New Mine Plan Boundary denoted with Green color – 278 acres

New Permitted Area denoted with Dark Yellow color – 28 acres

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RECLAMATION COMMISSION**

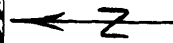


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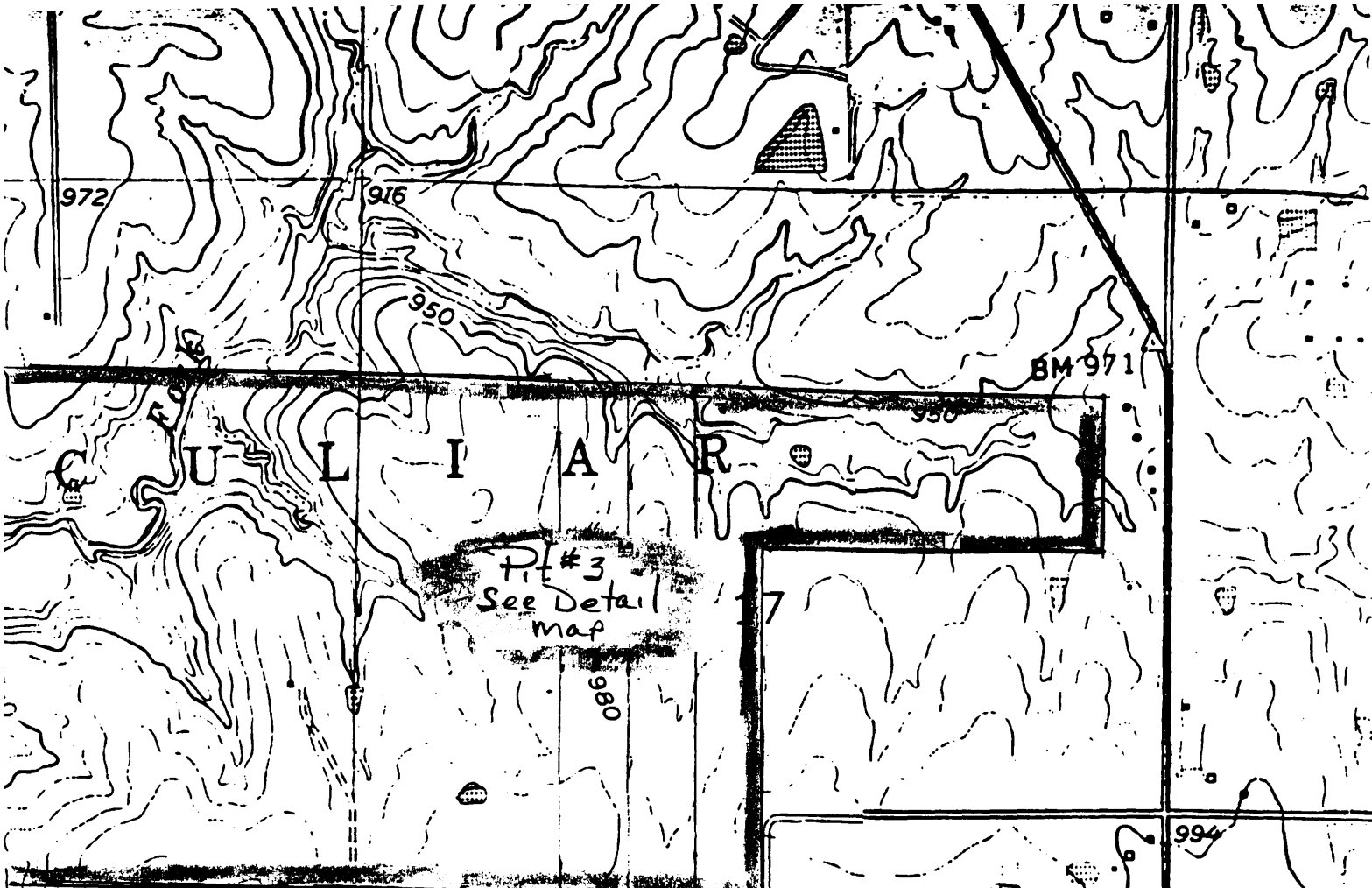
MISSOURI LAND COMMISSION
Harris Cem

Walnut Grove Sch

1" = 2038 Feet
Map # 1



PROLINE



Limpus Quarries Inc.

Harrisonville Site

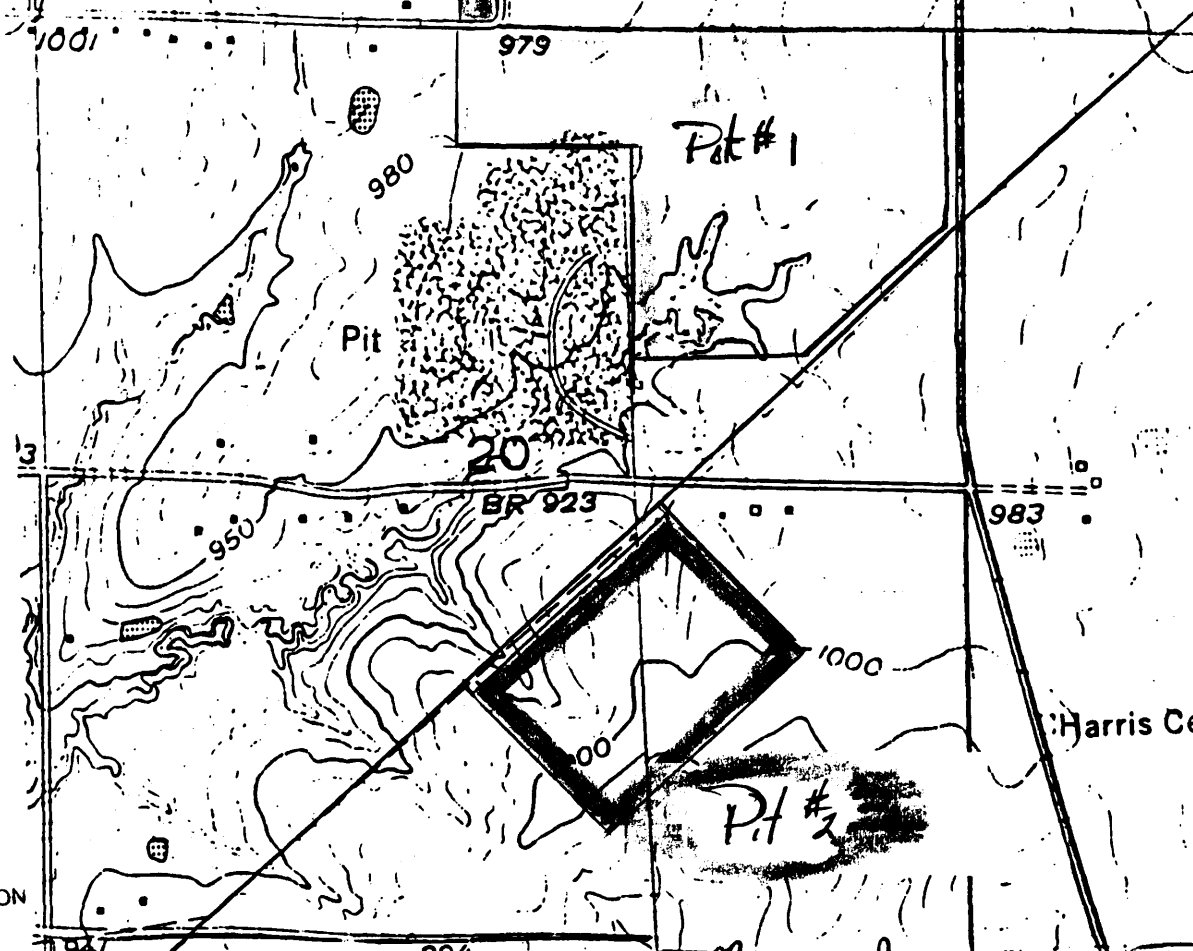
Sections:
17-18-20

TWP 45 RNG 31W

Pit #1-80ac

Pit #2-36ac

Pit #3-278ac



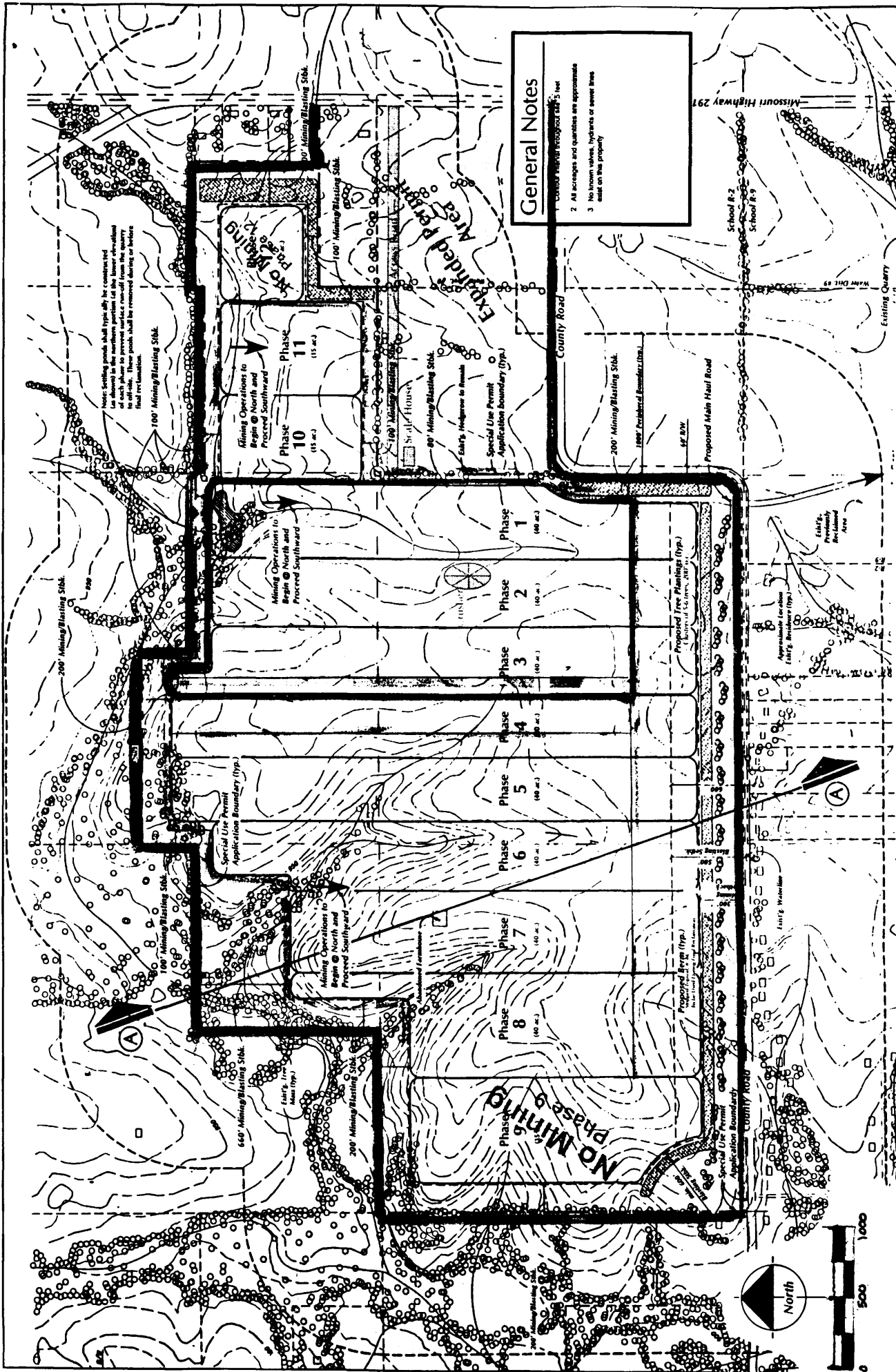
1" = 1100 Feet

Map #2

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General Notes

2. All acreages and quantities are approximate
3. No known valves, hydrants or sewer lines exist on this property

Above: Exhibit I — Operations and Planning

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Below: Plan, Entrance to M-291 Highway

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RECLAMATION COMMISSION



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.			MISSOURI LAND RECLAMATION COMMISSION
SITE NAME OR NUMBER D & R Crushing (Sugar Creek)		PERMIT NUMBER 0040	
COMPANY NAME Limpus Quarries, Inc.			
COUNTY Jackson	1/4 SECTION SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$	SECTION 13, 18, 19 & 24	
TOWNSHIP 50N	RANGE 31W & 32W	ACRES 174	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Courtney Ridge Landfill L.L.C		
ADDRESS 2001 N M291 Highway		
CITY Independence	STATE MO	ZIP CODE 64058
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT July 1, 1993
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Limpus Quarries, Inc.		
ADDRESS P.O. Box 40		
CITY Harrisonville	STATE MO	ZIP CODE 64701
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT July 1, 1993
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

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TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2025

COMPANY NAME Limpus Quarries, Inc. MISSOURI LAND RECLAMATION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Current aresa under permit were originally rough terrain covered with
voluntary growth

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-2 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Courtney Ridge will remove topsoil and overburden exposing mineable
rock in a manner compatible with future use in sanitary landfilling.

Equipment used is expected to be appropriate to the task and terrain.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Courtney Ridge will store topsoil in a manner compatible with
future use in sanitary landfilling.

Topsoil will be placed on bonded areas.

JUL 25 2001

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

Courtney Ridge will control or direct D & R in the placement of spoils material. Courtney Ridge will control the disposition of spoils material in a manner compatible with sanitary landfilling.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Mining will proceed from north to south in phases 1 through 5.

Mining will proceed from west to east in Phase 6.

Mining will proceed from south to north in phases 7 through 11.

YES NO

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

JUL 25 2001

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

MISSOURI LAND

B. SEEDING OR PLANTING TIME

Industrial

RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Final reclamation will be sanitary landfill.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

JUL 25 2001

Final reclamation will be a sanitary landfill.

MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Final reclamation will be a sanitary landfill.

REPLACEMENT OF TOPSOIL

REVEGETATION

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

D. USE OF LAND WHEN RECLAIMED

ESTIMATED ACRES:

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

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JUL 25 2001

By my signature, I attest to the following:

MISSOURI LAND
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Nancy R. Morelock</i>		TITLE President	DATE 7/18/01
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Cass	
SUBSCRIBED AND SWORN BEFORE ME, THIS 18th DAY OF July X 2001		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE <i>Ronda F. Miller</i>	MY COMMISSION EXPIRES 6/26/2002	RONDA F. MILLER Notary Public - State of Missouri Commissioned in Cass County My Commission Expires June 26, 2002	
NOTARY PUBLIC NAME (TYPED OR PRINTED) Ronda F. Miller			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Steve Ziemer</i>		DATE APPROVED 9-12-01	PERMIT NUMBER 0040

Map Legend
Limpus Quarries, Inc.
D & R Crushing (Sugar Creek)

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JUN 14 2004

**MISSOURI LAND
RECLAMATION COMMISSION**

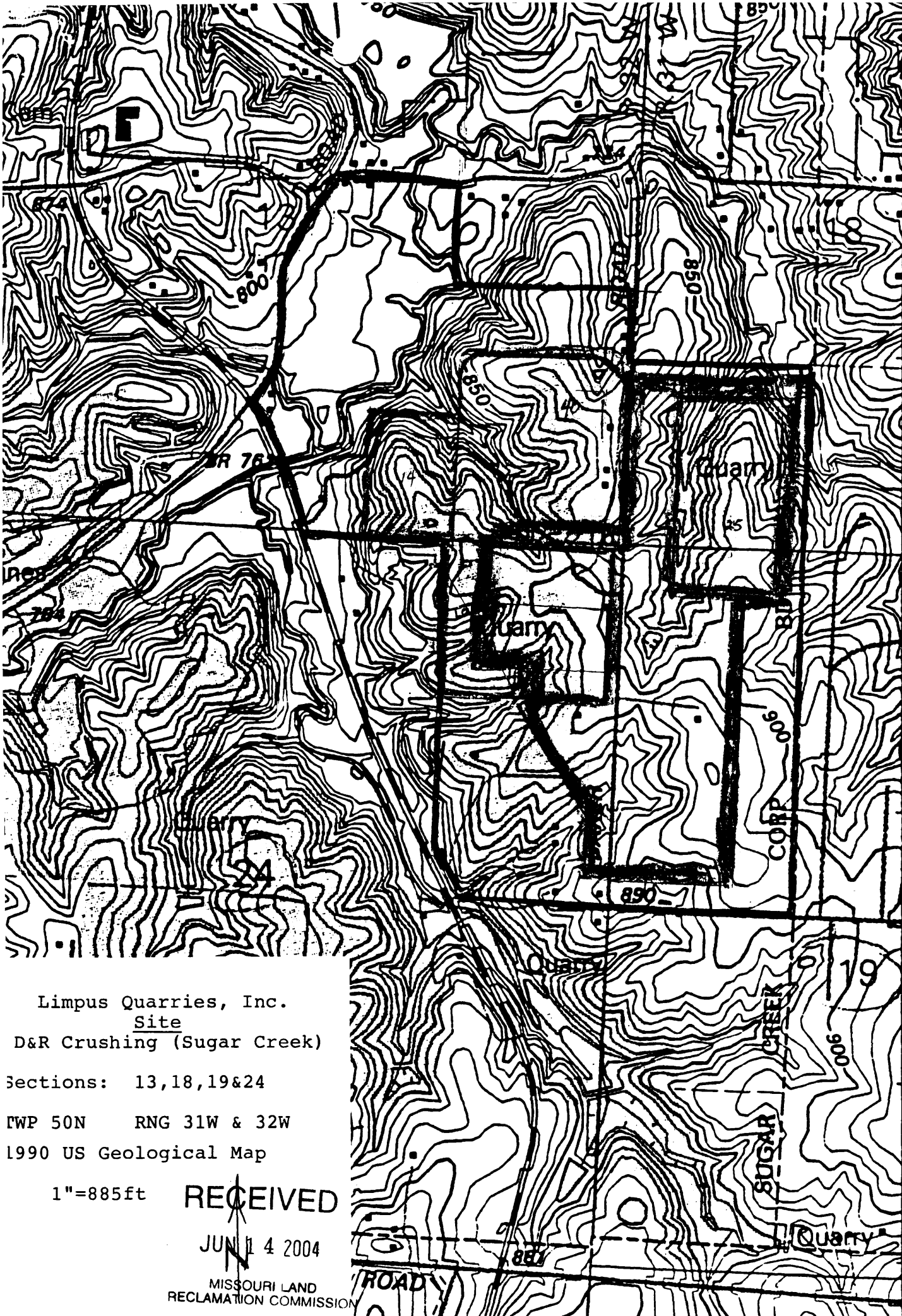
Map #1 - U.S. Geological Survey Map, 7.5 Quadrangle, Liberty, MO #3909-B4-TF-024.
Locator map highlighted in yellow, the property boundaries of the site in relationship to the surrounding area

Map #2 - An enlargement of Map #1, illustrating the following;

Current mine plan boundaries, approximately 174 acres -----highlighted in yellow.

Current permitted acreage, 60 acres -----denoted in blue.

Proposed permitted acreage, 123 acres-----denoted in red



4334

4333

4332

Limpus Quarries, Inc.
Site
D&R Crushing (Sugar Creek)

Sections: 13, 18, 19 & 24

TWP 50N RNG 31W & 32W

1990 US Geological Map

1"=885ft

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ROAD